

SystemC CCI WG

Simple Mutable Integer Parameter

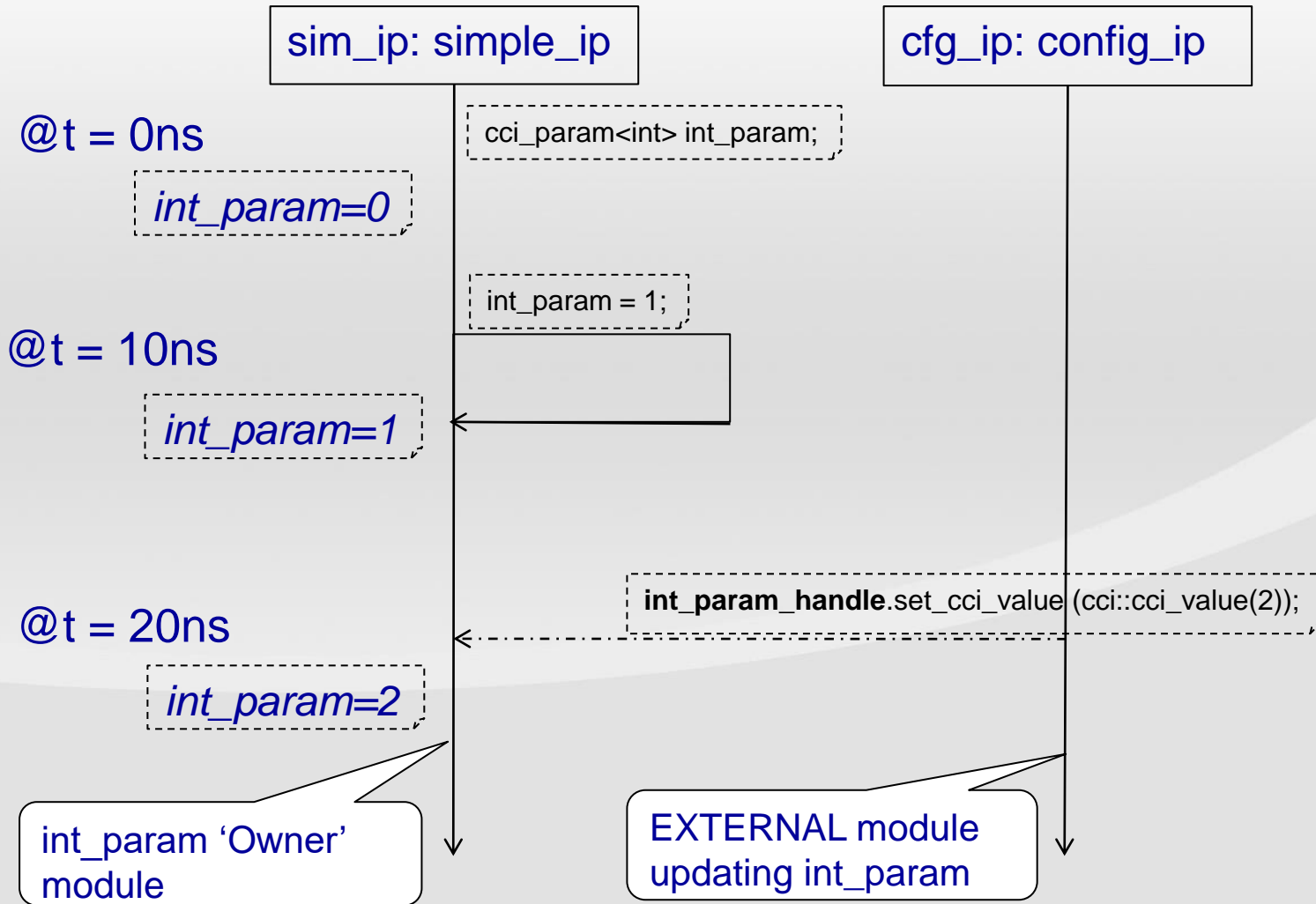
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Basic usage of a Mutable Integer Parameter

- **Report the parameter's default value following construction**
 - Note: No preset value is supplied in this example.
- **Update the parameter's value (directly) from within the owning module**
- **Update the parameter's value from a different module, referred to as "EXTERNAL"**
 - This requires obtaining a parameter handle from the broker

Example Sequence Diagram



Expected Output (ex01_Simple_Int_Param.log)

SystemC Simulation

Info: sim_ip: @0 s, Ctor: Default value of sim_ip.int_param is 0

Info: sc_main: Begin Simulation.

Info: sim_ip: @10 ns, execute: Set value of int_param to 1

Info: sim_ip: @10 ns, execute: Current value of int_param is 1

Info: cfg_ip: @20 ns, execute: [EXTERNAL] Set value of sim_ip.int_param to 2

Info: cfg_ip: @20 ns, execute: [EXTERNAL] Current value of sim_ip.int_param is 2

Info: sc_main: End Simulation.

Info: sim_ip: Dtor: Current value of sim_ip.int_param is 2